



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140391

Mode: Highway

Status: Submitted

NC-16, SR-1609 (County Home Road)

From/Cross Street: SR 1609 (County Home Road)

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$233,000

Description:

Realign to a "T" by moving the intersection south.

Division(s): Division 12

County(s): ALEXANDER

MPOS(s)/RPO(s): Unifour RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 25.82

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 38.10	Percent: 15%	Percent: 15%
Safety (10%) 0.00	Points: 0	Points: 100
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 12.94		
Totals: Weight: 70% Weighted Score: 10.82		

Division Needs Total Score: 32.62

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 38.10	Percent: 25%	Percent: 25%
Safety (10%) 0.00	Points: 0	Points: 100
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 7.62		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	0.5
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	16404.13
Capacity:	31209.06
Volume/Capacity Ratio:	0.53
% Autos:	94%
% Trucks:	6%
Truck Volume:	1011.59
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	93
Actual Congested Speed:	29.32
Travel Time Index:	1.71

Project Benefits

Project Cross-Section:	
Speed Limit:	50
Length (miles):	0.5
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Unifour RPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 12	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Unifour RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$188,000	Cost Estimation Tool
Right-of-Way Cost:	\$45,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$233,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$233,000	